

The GARZETTE

April, 2002

Volume 12, Issue 1



In This Issue:

<i>The President's Pen</i>	1
<i>GARS Elmers</i>	2
<i>Field Day, 2002</i>	3
<i>New QRP Power Source</i>	4
<i>Tech Fest Re-Cap</i>	5
<i>Meeting Notes</i>	7
<i>Area Meeting and Exam Schedules</i>	8
<i>Calendar</i>	9

The President's Pen

By Ike Chapman, K4WEC, GARS President

Tech Fest 2002 has come and gone and all I can think to say is WOW! A combination of hard work, great weather, interesting displays, good food, and a good turnout made this year's event memorable and certainly has raised the bar again. This year we can say once again that this was the best one so far and look forward to seeing how we can top it next year. In order for an event like this to be successful requires the effort of a lot of people, the ones that put on displays, the ones that brought food, the ones that cooked the burgers and hot dogs, the ones that helped set up and clean up afterwards and I'd like to mention them all but space and a incomplete list prevents me from doing so.



But just know that you have the thanks of the club leadership and membership for a job well done. But I would like to single out one person and that is Barry Zoll, N1TOQ our Tech Fest chairman. Barry would be one of the first to tell you that this was a team effort by a lot of people but that team doesn't go far without someone organizing it.

Once again Barry had done a great job of putting together the Tech Fest team and making sure that all went smoothly. Thanks for the great work Barry and we all appreciate your efforts!

At the March meeting I announced the formation of two new committees, the Fund Raising Committee to staff our fund raising events and the Technical Advisory Committee that will become a technical resource for all aspects of amateur radio to our club members. The TAC is intended to bring back the services once performed by Rookie Radio and expand on that service to reach out not to just newcomers to the amateur radio service but to old timers that would like to try their hands

(Continued on page 6)

Want to see what's happening with GARS?

Read the President's Pen and the GARS Calendar!

THE GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word format or by email to N1TOQ@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARZETTE* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to *The GARZETTE*.

The GARZETTE is created on an Emachine -333 MHz computer using Microsoft Publisher 2000 and Microsoft Office 97.

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK, does the final production work on *The GARZETTE* by folding & labeling. Dan Keohan KF4YSU, stamps and gets the end product to the Post Office each month. Many thanks to each of them and all article contributors.

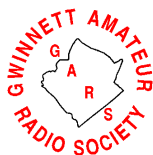
Deadline for submissions is the Week of the Monthly Meeting for inclusion in the following month's issue.

For any additional information contact:

Newsletter Editor:
Barry Zoll, N1TOQ
(770)277-5175
N1TOQ@arrl.net

All correspondence relating to articles posted in *The GARZETTE* or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048
Attn: Newsletter Editor



GARS Elmers

Many of us Hams got interested in the hobby as a result of some influence and experienced Ham had on us. In my case, a ham stopped at my dealership back in the mid-80's to arrange a repair on his outboard motor. He had a funny looking license tag on his yellow Corvette and I inquired what it was. Little did I know, he would be my "Elmer".

The GARS organization is blessed with a lot of talented members that are willing to share their knowledge. The following list is made up of those individuals willing to serve as Elmers. Hopefully, this list will grow, and in time, maybe we'll get more who are willing to add a particular area of expertise.

KF4KSE David Moon (770) 279-9924 mobile radio installation
KG4IUM Andrea Hartlage (770) 963-2715 making QSL cards
N1TOQ Barry Zoll (678)-339-2605 Generators and Standby
Power

Bill Carter, KG4FXG, Mobile CW

GENERAL INFORMATION:

WE5O Ron Langston (770) 569-8354
N1TWX Win Jackson (404) 869-1347
W4WKP Johnnie Fearon (770) 466-6401
WB2YAD Duane
WB9JSW, Carl
K4MJK Mike Kovak
K4CB Carter Bennett (770) 923-5446
W4ADE Ade Wirth (770) 614-3743
K4HBI Mike Swiderski (770) 449-0369
W8KJM, Barney Barnes (APRS)

If you'd like to be a GARS Elmer, please email the editor of the Garzette at N1TOQ@arrl.net or call 678-339-2605.



Field Day 2002

By David Adcock, KA4KKF, Field Day Chairman

Field Day is just around the corner and we would like to have an idea as to the number of people who plan to attend. With food preparation, station set up, and t shirts, this year's Field Day promises to be the best ever!

Please fill out the attached coupon and submit it to David at the April or May meeting.

We look forward to seeing you there!! 73

GARS Field Day 2002

- Do you plan to attend Field Day for the entire 24 hour period?? _____
- Do you plan on purchasing a T Shirt? Y N If so, what size do you wear? S M L XL XXL
- Which meals do you plan on attending?
 - Sat. Lunch _____ Y _____ N _____
 - Sat. Dinner _____ Y _____ N _____
 - Sat. Midnight _____ Y _____ N _____
 - Sun. Breakfast _____ Y _____ N _____
 - Sun. Lunch _____ Y _____ N _____

Name _____ Call Sign _____

Phone Number _____ Email _____

(Please submit this form to David Adcock, KA4KKF)

STAY CONNECTED!

- Call the nets
- Attend the Meetings
- Use the Email List

GARS

Officers

President
Ike Chapman, K4WEC
770-339-8123

Vice President
Victor Gann, N2VG

Secretary
J. Morgan Ringold, KG4PAN

Treasurer
Dan Keohan, KF4YSU

Activities Manager
Bill Ahls, ABOKF

Board Of Directors

Howie Gould, W9HG
Susan Swiderski, AF4FO
David Adcock, KA4KKF

COMMITTEES

Membership Co-Chairs

Andrea Hartlage, KG4IUM
Scott Hartlage, KF4PWI

Public Information Officer

Carol Gann, KG4ETR

Newsletter Editor

Barry Zoll, N1TOQ, 770-277-5175

License Trustee

Randy Drescher, K4HS (770)925-9549

Repeater Chairman

Eddie Foust, WD4JEM

Tech Fest

Barry Zoll, N1TOQ (770)277-5175

WAS/VUCC CARD CHECKER,

Don Ernest, KS4WR

Net Manager

Susan Swiderski, AF4FO (770)449-0369

Field Day

David Adcock, KA4KKF

Education Coordinator

Win Jackson, N1TWX (404)869-1347

Fund Raising

OPEN

Apparel Manager

Michael Ivey, KG4QDH
770-931-2871

Holiday Party Chairman

Marty Fowler, KE4MLH

QSL Manager

Ade Wirth, W4ADE (770)614-3743

Webmaster

Mike Kovak, K4MJK

Scholarship Chairman

Carter Wood, AG4LK

CW Net Manager

Ron Langston, WE5O

Technical Advisory

OPEN

♦♦♦

A NEW QRP POWER SOURCE?

By Cy Nuss – AFØOL

Sometimes we stumble across useful information in the most unlikely places at the most unlikely time. I wasn't thinking about QRP (heck, I wasn't thinking clearly at all) when a question suddenly occurred to me last December in the midst of a Nyquill induced haze at 3 AM. "Is there any real value to snot or is it just another way the devil torments mankind?" Beset by a cold and awash in over the counter remedies I asked myself another stupid question but got a reasonable answer.

"So where does it come from and, more importantly, where does it go when you have no cold?" "Just blow, stupid, and go back to bed."

In the light of day and with a somewhat clearer head I decided to answer those questions. It led to an amazing discovery.

Its surprising how little research has been published on this subject. Even the internet hides it from us. Go to any search engine and type "snot". There's a punk band by that name and several sites produced by people who only want to gross us out but no serious research. I had to do my own. I had no problem producing subject matter but I have little training in research techniques so what follows can't be considered science. I'm not even sure the results can be duplicated.

Snot is a reaction to foreign matter in the body, triggered by the lungs and produced in the sinus cavity. It's a gooey mess composed of water and mucus and it captures airborne germs before they reach the lungs and surrounds a virus so it can't reenter as the lungs try to push it out. When expelled, it's teeming with thousands of the microbes that made you sick. I couldn't determine its chemical make up but I did learn one thing. It is slightly acidic.

Dab a little on some litmus paper. That's not really a scientific technique but it gave me an idea. Remember the old high school science project when you made a battery out of a lemon? Well, I made a battery out of the most disgusting green mess you've ever seen. It's not difficult. Put a wire in each end of fresh pile and connect a digital VOM. Put it on the lowest DC scale and you'll get a reading. Below are a few observations.

As the pile dries, the voltage decreases so you must keep it moist and out of direct sunlight. Room temperature is best but it lasts longer in cold weather.

The bigger the pile the higher the voltage.

It works better with a morning draining than an afternoon's. (More research needed here.)

The voltage is higher if you have a couple of beers the night before.

The worse your cold the higher the voltage.

Buggers are useless. They're like a dead battery that can't be recharged.

To be really useful there must be a way to store the stuff and a way to use the power produced. After several experiments it dawned on me that the best container is the one it comes in – your head. The problem then becomes one of wiring without doing permanent damage. (Don't try sticking an anode up one nostril and a cathode up the other. The cavities are separated and you don't want to connect the two.) After several days I still had no answer but the cold cleared and I was forced to suspend experiments.

Most of those questions I asked myself that December morning remain. Only a few have been answered but some very intriguing ones have been raised. For instance, maybe we don't need to tap this power externally. Consider the following.

When I have a cold, is that ringing in my head a biologic oscillator? (Powered by snot?) If so, can I control it and sent code? What's its frequency? Can it be transmitted? What would I need for an antenna? Who could hear it and how would they? If I blow, would the power level decrease?

This could be a whole new field of study and hams could lead the way. I intend to continue experiments in this area (with or without a cold) and I'll keep you informed with regular updates. Can you imagine Worked All States without a transmitter!

Answer these questions and you could become as famous as Marconi - or you could just blow and go back to bed.

Tech Fest 2002

*By Barry Zoll, N1TOQ
Tech Fest Chairman*

The Gwinnett Amateur Radio Society (GARS) held it's Tech Fest on March 23rd. For those of you who attended, you know what a great time we had and for those who were unable to attend, you missed a great time.

There were many displays showing different areas of our hobby and some that peaked our curiosity. Some of the topics displayed were:

- Slow Scan TV
- Computer Programming of Radios
- An Old (sorry Carter) Heath Kit Station
- Laser Communications
- Satellite Radio
- Venture Crew
- Crystal Radio Construction
- The Giant CW Key
- ARRL
- ARES
- GARS Welcome Table
- Antenna Construction
- PSK31
- FT817
- Southeast VHF Society
- TVRO
- APRS
- TS50 Station and Tuner

...and some of the best Chili every consumed in Metro Atlanta.

Thanks to everyone who helped with the organization, talk –in, and promotion. The strength of GARS and the Amateur Radio Community was quite evident and let's keep the ball rolling with the rest of the activities coming up during the coming months.

73 de N1TOQ

The President's Pen

(Continued from page 1)

at new modes and technology. As of this writing I'm still looking for a chairman for each of these committees. Oh and I also announce at the meeting the "Name the Committee Contest" to come up with a name for the Technical Advisory Committee, all submissions should be made to one of the officers before the April club meeting and the winner will be selected from those entries. The person that submits the winning entry will receive a \$25 gift certificate to HRO.

We've got a good number of activities coming up during the year so I'd like to mention some of these so you can mark your calendars and plan on participating in those that pique your interest.

Saturday, April 27: The March of Dimes annual walk-a-thon will be held at Lake Lanier Islands. We've been asked to help out in directing people to the parking areas and to provide communications along the 4 mile route. All participants will receive a tshirt commemorating the event. If you interested in helping out and/or becoming the event coordinator please contact me at k4wec@bellsouth.net.

Saturday, May 4: The Boy Scout Expo will be held at the Gwinnett County Fairgrounds in Lawrenceville. Venture Crew 73 will be setting up a demonstration of amateur radio. They will be making contacts on the **GARS** two meter repeater during the day so if you're near your radio and hear someone asking for a contact please pick up the mic and help out. If you're interested in more information, please contact Carol Gann at carolgann@mindspring.com.

Monday, May 27: The annual Dacula Memorial Day Parade. This is a really fun event where we provide communications for the parade and assist in the staging area of the parade. In past years we've also helped out with the 5K run that is done that morning prior to the parade as well. For more information and to sign up to help out, contact Bill Ahls at ab0kf@arrl.net.

Saturday, June 1: **GARS** will put on a amateur radio demonstration at the Super WalMart on Collins Hill Road in Lawrenceville. The exact times for the demo are not yet set but will be announced in the coming weeks. The demo will be used to help promote the Field Day coming up later in June and amateur radio. If you interested in helping out and/or becoming the event coordinator please contact me at k4wec@bellsouth.net.

Saturday, June 22 and Sunday June 23: Field Day 2002 at Rhodes Jordan Park in Lawrenceville. Fun, food, and radio for 24 hours, what more could you ask for? This annual event is a test of emergency preparedness in the form of a 24 hour contest period. I know that we're still got several positions on the Field Day team that need to be staffed so please get in touch with David Adcock at adcock@mindspring.com to sign up.

Saturday, September 27: The annual Kidney Foundation walk-a-thon. This will be the second year that **GARS** has participated in this event and we'll be passing along more information as we get closer to this event.

Saturday, October 19: We're just now in the initial planning stages for a multi-use event for this day. This is the date of the annual Boy Scout Jamboree On The Air (JOTA) which **GARS** has always worked to support. At the executive committee meeting we discussed making this one event fill several different niches. As of now the following ideas have been put forward for this event:

- JOTA stations
- The annual club picnic with BBQ
- A tail gate area
- The first annual **GARS** softball game
- Kids activities

We're discussing having the event at one of the county parks so that we can have access to a pavilion, trees to string antennas, and lots of safe play areas for the kids. If you've got a location you think would work for us, please let me or one of the officers know and you've got ideas about activities for this event that we'll call the **GARS** Fall Family Radio Festival for the time being please let us know that was well.

And while I'm talking about activities, please don't forget our regularly scheduled club events; the **GARS** Want, Swap, Sell and Information Net on Tuesday nights at 8:00 on the 2 meter repeater; the **GARS** Code Practice Net on Tuesday nights at 9:00 on the 2 meter repeater; the **GARS** 6 Meter Net on the 6 meter repeater; the **GARS** Family Breakfast each Saturday morning at the Golden Corral Restaurant in Lawrenceville; and our monthly club meetings on the third Thursday of each month.

Oh and speaking of club meetings, each year we have a scheduling conflict with the church for our May meeting so this year we're going to do something a bit different for the May meeting. The meeting will be held at Rhodes Jordan Park where our Field Day will be held, we'll have a short business meeting and then we'll ask those folks who have mobile installations in their vehicles to show off how they've got their radios mounted so we can all get some ideas for future installations.

That's it for this month and I hope to see you soon at one of our **GARS** events.

73,

Ike, K4WEC

GWINNETT AMATEUR RADIO SOCIETY

March, 2002 Meeting Minutes

March 21, 2002

- President Ike Chapman, K4WEC, opened the meeting at 7:35 PM.
- Introduction of visitors: Grant Porter KG4SDR, Robin Cutshaw AA4RC, Brandon White NB5E and Ann Seorre.
- Introduction of attendees.
- Special Presentation to Susan Swiderski AF4FO for her leadership as club president last year.
- Ike presented ideas for the coming year including:
 - Technical Advisory Committee – Currently holding a ‘Name the Committee’ contest.
 - Fund Raising Committee – Need a chairman for this committee
 - April 27th is March of Dimes Public Service Event
 - Need to organize a tower work party
 - Possibly will have a radio demo at the Super Wal-Mart on Collins Hill Road on June 1st. More info to come.
 - Due to their increasing involvement with the school clubs Scott and Andrea will be passing on the duties of Membership Committee. Thanks Scott and Andrea for all the hard work you have done in this position!
- Presidential Citations:
 - Ron Langston – WE5O
 - Richard Patchin – KD4RFK
 - Paul McInnish – K4BET
- Last month's minutes approved.
- Introduction of officers Victor, N2VG, vice president; Dan, KF4YSU, treasurer; Bill, AB0KF, activities manager and Morgan, KG4PAN, secretary.
- Treasurer's Report
- Bill asked for ideas for this years activities. Ideas can be e-mailed to him at AB0KF@arrl.net.
- There will be about 20 Hams from Russia visiting the area the first week of June. About 15 of them will need a place to stay. Let Mary, W4NZJ (w4nzj@arrl.net) know if you are interested in helping.
- Tech Fest will be March 23 from 11:00am to 3:00pm at Central Baptist Church
- Last Friday of the month is the deadline for submission of articles for inclusion in the Garzette.
- There will be a special Field Day edition of the Garzette published.
- New Net Manager is Harry - K4HJH
- Need volunteers for SciTrek. GARS supports the station every 2nd Sunday from noon until 3:00pm.
- 8:35 Break
- New Members voted in – Grant Porter-KG4SDR, John Sokol-K9AOK, Carl Wulfestieg-AG4LS, Jess Vics-W2KVN, and Ralph Siebert-K1TV.
- Drawing -- HRO cert – Sandy Harris -KF4BUW
- Ike closed meeting at 9:50 PM

Metro Atlanta Club Meetings

First Tuesday

Metro Atlanta Telephone Pioneers

Old Hickory House
5490 Chamblee/Dunwoody Rd, Dunwoody
Dutch dinner is at 6:30 PM, followed by meeting.
Talk In 145.410(-)

Kennehoochee ARC

First United Methodist Church in Marietta
Meeting begins at 7:30 PM
Talk In 146.880(-)

First Thursday

Atlanta Radio Club

American Red Cross Building, Lindberg Plaza
Meeting is at 7:30 PM
Talk In -146.820(-)

N.E. Georgia ARC

Jefferson Civic Center
Off of Memorial Dr. toward Winder from
Jefferson
Meeting is at 6:30 PM
Talk In - 147.225(+)

North Fulton Amateur Radio League

Shoney's Restaurant
Holcomb Bridge Road at grimes Bridge Road
Dinner at 6:30 PM, meeting at 7:30 PM
Talk In - 145.47(-)

Second Thursday

Alford Memorial Radio Club

Killian Hall, Killian Hill Road
Lilburn
Dinner at 6:00 PM, meeting at 7:30 PM
Talk In - 146.760(-)

Second Saturday

East Atlanta LAN

St. Patrick's Episcopal Church
Dunwoody
Meeting is at 10:00 AM
Talk In - 145.410(-) and 443.025(+)

Third THURSDAY

Gwinnett Amateur Radio Society

Central Baptist Church
Gwinnett Drive, Lawrenceville
Meeting begins at 7:30 PM in the fellowship hall.
Talk In -147.075(+) and 444.525(+)

First Saturday

North GA QRP Club

Wieuca Baptist Church on Peachtree Rd/Wieuca,
10 AM
Tues. Night Nets, PSK31 at 8:00 PM 3580 khz,
9:00 PM FM net on 145.41 mhz ,
CW at 9:30 PM 3568.4 khz
Contact Russ AE4NY.....770-457-0371

Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions.

First Sunday

WCARS VEC
2:00 PM
(Except July and September)
Johnson High School
3305 Poplar Springs RD, Gainesville
Terry Jones, W4TL (770)967-6364

First Saturday

9:00AM
Clayton County Emergency
Management Building
7496 N. McDonough St., Jonesboro
George White, KN4NG (770)361-6850

Second Tuesday

7:00PM
Walton EMC
3645 Lenora Church Rd, Snellville
Wayne Taylor, WD4CCA
(770)498-7759

Second Saturday, Odd Months

CA VEC
8:30 AM
Stone Mountain Methodist Church
5312 West Mountain St.
Stone Mountain
Bob Verone, W4ETN
(770)978-3179

Third Saturday

CA VEC
9:00AM
Marietta First United Methodist Church
Room 305, 56 Whitlock Ave
Marietta
Larry Huff, WA4CQZ
(770)955-3171

Fourth Tuesday

ARRL VEC
7:00 PM
United Way Service Center
6279 Fairburn Road, Douglasville
Jessie Clower, KB4WFK
(770)942-6466.

Fourth Friday

W5YI VEC
7:00 PM
St. John Neumann Church
801 Tom Smith Road
Lilburn
Headphones Provided!
Howie Gould, W9HG
(770)921-8362

♦ ♦ ♦



GARS Communication System

6 Meter Repeater

53.110 (-1 MHz) MHz
82.5 PL

Main Repeater Site

Oak Street, Lawrenceville

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogan Road, Buford
Goshen Springs Road, Norcross
Lanier Mountain, Snellville

70 Cm Repeater

444.525(+) MHz
82.5 PL

Main Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Under construction
Bogan Road, Buford
Goshen Springs Road, Norcross

APRS

144.390 -- 1200 Baud
W4GR/Relay



WORLDWIDE DISTRIBUTION



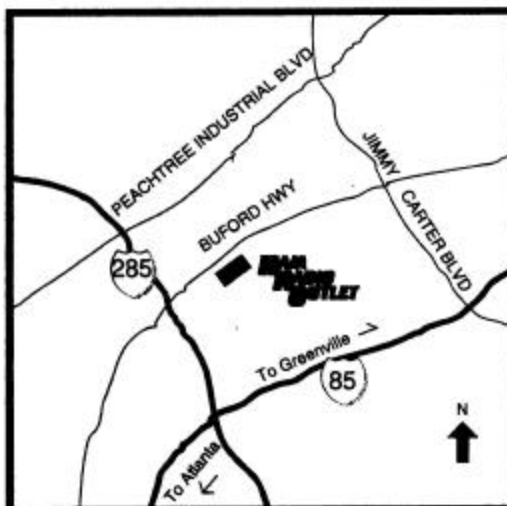
HAM RADIO OUTLET

Mark Holmes

Manager
KJ4VO

6071 Buford Hwy.
Atlanta, GA 30340 (Doraville)
770-263-0700, 1-800-444-7927
Fax 770-263-9548

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Doraville, 1 mi. north of I-285
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(800) 444-7927
24 Hour FAX (770) 263-9548
Email: atlanta@hamradio.com

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David KE4VDH
Mark W4MMS
David KE4QME
Bill KF8AZ
Mike N4MLB
Tim W4EGT
Dale W4GCL
Josh W4JDH

Alinco
Icom
Japan Radio Corp
Kenwood
Premier/ADI
Yaesu
Alpha Delta
Arrow
Butternut
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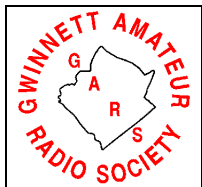
GWINNETT COLLISION CENTER, INC.

305 Sharon Ind. Way
Suwanee, Georgia 30024
945-0161

Import and Domestic
Unibody and Frame Repair ws

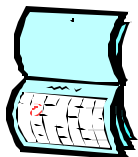
Marty Fowler, KE4MLH

Mark Justice



Gwinnett Amateur Radio Society
PO Box 88
Lilburn, GA 30226

Receive the **Garzette** via email...
contact Scott Hartlage,
KF4PWI@arrl.net



April 2002

Executive Committee
18th GARS Club Meeting
27th March Of Dimes
Walkathon at Lake Lanier

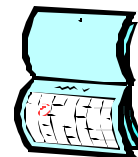
May 2002

Executive Committee
16th GARS Club Meeting
27th Dacula Memorial
Day Parade

June 2002

Executive Committee
1st Radio Demo at
Lawrenceville Walmart

20th GARS Club
Meeting
22-23rd Field Day



Meeting Time
&
Location

3rd Thursday, 7:30 PM
Central Baptist
Church,
Gwinnett Drive,
Lawrenceville
Talk in 147.075(+) MHz
82.5 PL Tone